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29.(New) A recombinant super-compound interferon with a Seq. ID No.: 1 with higher efficacy than all the interferons described in U.S. Patent Nos. 4,695,623 or 4,897,471.

30.(New) The interferon of claim 29, wherein the interferon is α , β , or ω .

31.(New) A super-compound interferon of claim 29, produced by a high efficiency expression system which uses a special promoter.

32.(New) The super-compound interferon of claim 31, wherein the promoter is P_{BAD} .

33.(New) The super-compound interferon of claim 32, wherein its gene is artificially synthesized cDNA with adjustment of its sequence from the wild-type according to codon preference of E. coli.

34.(New) The super-compound interferon of claim 1, which possesses anti-viral or anti-tumor activity.

35.(New) The super-compound interferon of claim 34, which directly inhibits the DNA duplication and secretion of HBsAg and HBeAg of Hepatitis B Virus.

36. (New) A composition comprising the recombinant super-compound interferon of claim 1 and a suitable carrier.

37. (New) A pharmaceutical composition comprising the recombinant super-compound interferon of claim 29 and a pharmaceutically acceptable carrier.